

# Nati



## Nati Skin Analyser - User's guide

## DECLARATION OF COMPLIANCE CE



Hereby, it is confirmed that the below described device:

- Product type: „Nati” skin analyzer
- Model: NATI-BS01W
- Produced by:

The name of the producer: Beauty of Science Sp. z o. o.

Producer's address: pl. Solny 16/410

50-062 Wrocław, Poland

Complies with the directives of UE Council concerning unifying the rights of members in terms of the Directives and it meets the requirements of the current EMC Directive (89/336/EEC).

Concerning the compliance with EMC, the following norms have been taken into consideration:

- PN-EN 55022
- PN-EN 61000-4-2
- PN-EN 61000-4-3

Responsible for this declaration is the **Producer**.

Company name: Beauty of Science Sp. z o. o.

Company address: pl. Solny 16/410, 50-062 Wrocław, Poland

CE mark was used for the first time in: 2011.

Purpose: indoor.

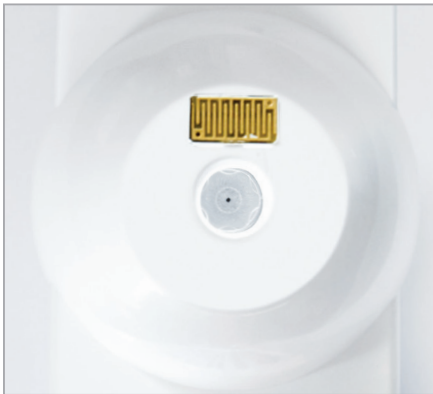
Restrictions on use: none.

Przemysław Pawłowski  
Product Manager  
Wrocław 01.02.2012

## 1. NATI SKIN ANALYZER

Nati analyser is a complex device for computer cosmetic diagnosis. It uses a modern system of physical measurements and a high definition camera with 40-fold zoom. The device analyses 6 measurements: skin structure, serum level, desquamation level, pore size, wrinkle width and moisture level. It defines skin condition objectively, indicates customer's individual needs and specifies the program for salon and home care routines.

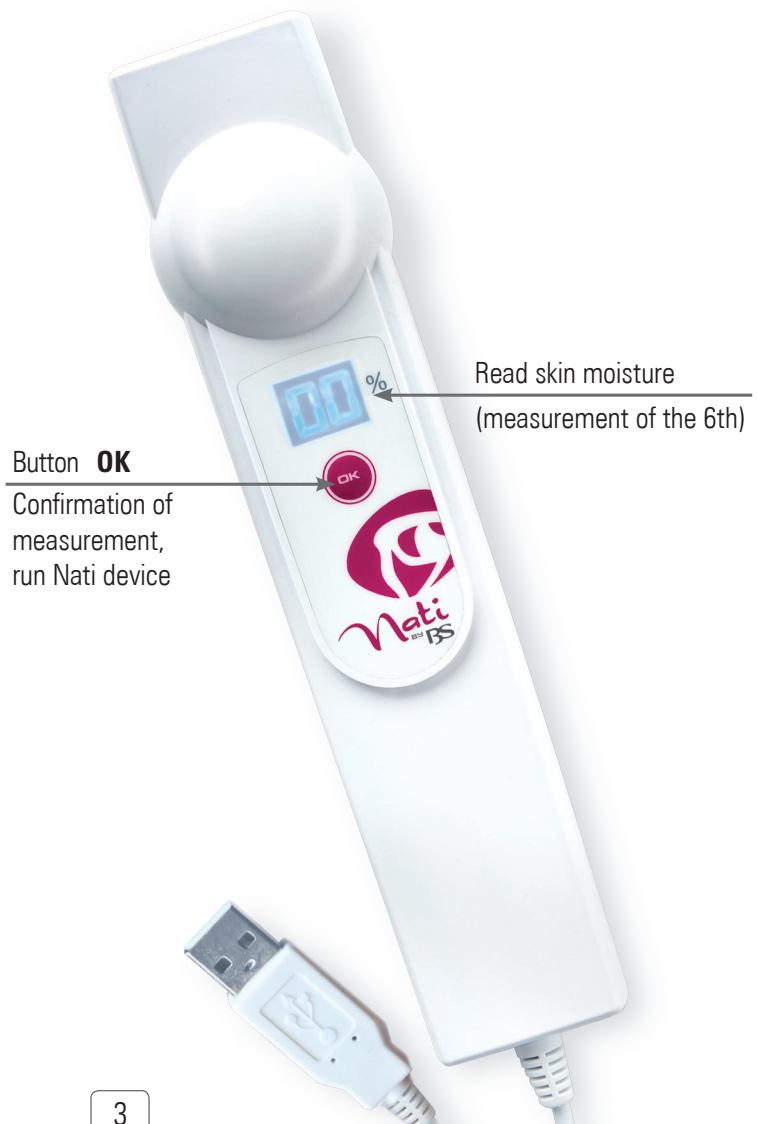
The device is designer for cosmetic salons and SPA centres.



Camera and moisture sensor



1.



Button **OK**  
Confirmation of  
measurement,  
run Nati device

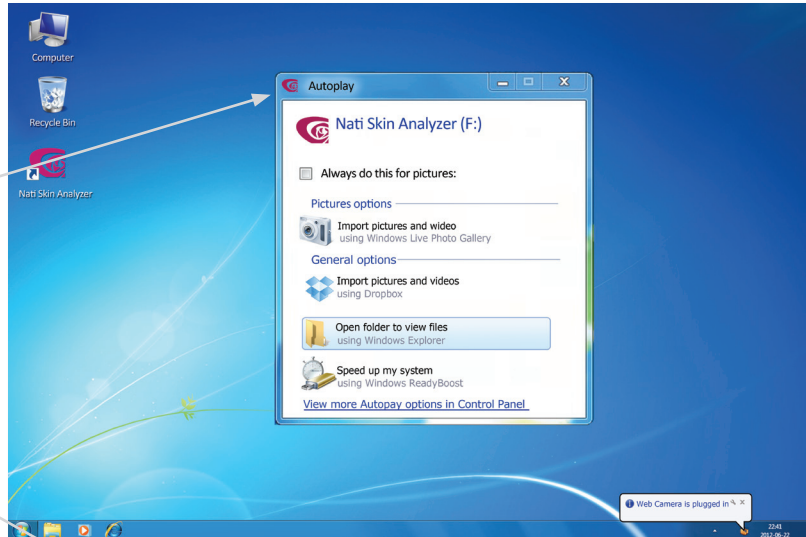
Read skin moisture  
(measurement of the 6th)

## 2. INSTALLATION

First it is necessary to connect cable on USB port to a computer.

After the system shows the device, Autoplay window will display. We choose Open a folder to display files. Next, we open a folder setup double-clicking. In the window user account control we click YES. In the next window setup Wizard of Nati Skin Analyzer we click NEXT moving to the next window with the program location, we click INSTALL and wait for the last window informing us about a successful installation – we click FINISH. A computer will restart automatically. There will be a shortcut to NATI program on the desktop.

2.



## 3. SKIN PREPARATION FOR MEASUREMENTS

At least 30 minutes before measurements we remove make up with mild liquid. Do not tone the skin, do not apply any cream.

## 4. STARTING MEASUREMENTS

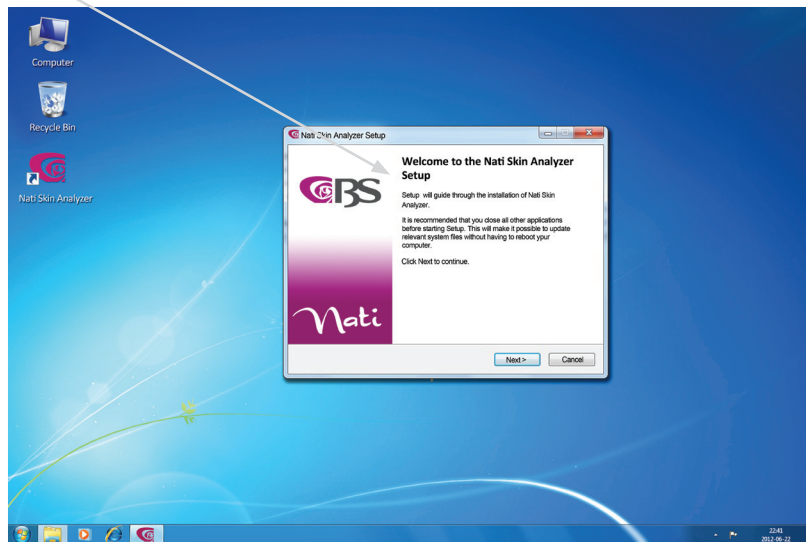
We start the program double-clicking NATI shortcut. There are three windows on the screen. The left one is the menu of the program which contains all measurements, customer database, program settings. The middle window shows us a camera picture of almost 3 mm width and height. The right window is a secondary instruction for parameters to be examined. For sebum examination we will need special pads to take a sample. The program will lead us through all measurements. We switch the camera by pressing ok button.

Parameters examined: moisture, structure, serum, desquamation, pores, wrinkles.

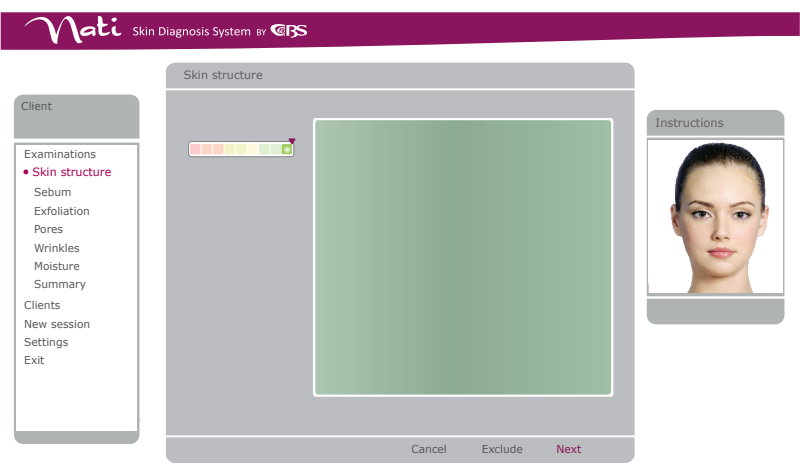
a. Individual measurements – shown where we examine and why, how – shown how it looks like.

(please show the pads – 2 kinds – a blue one and 3M one)

(here will be the film – on – and about the three windows)



4.





## I. Skin structure

The first measurement is the skin structure. We carry it out on customer's chin or the neck. We will see skin section on the screen, we accept by pressing ok button. The program will shift us automatically to the next measurement.

## II. Sebum

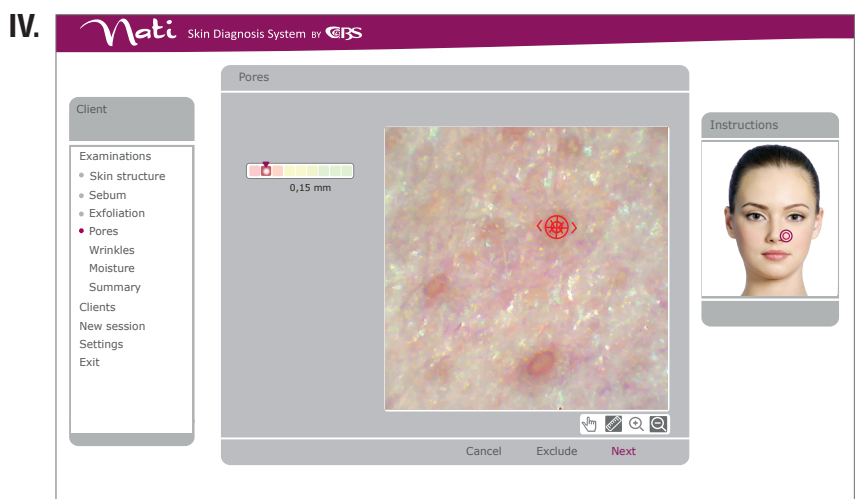
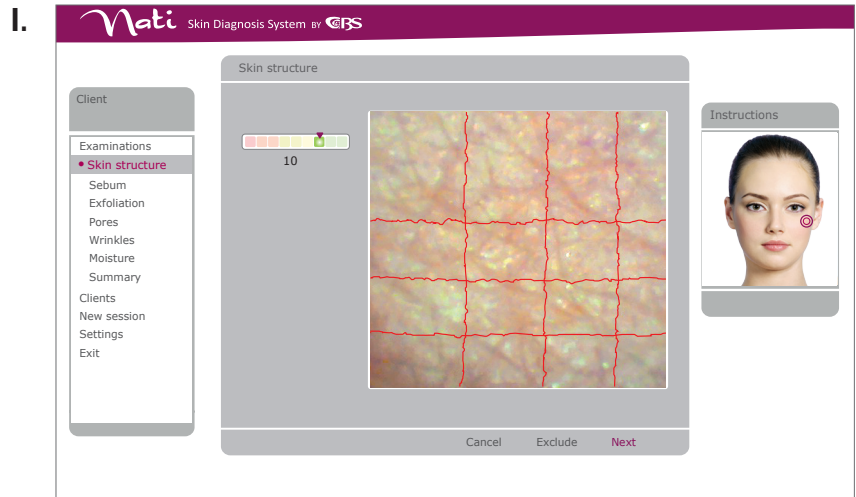
Sebum level – we use SEBUM STRIP for the measurement. We apply a pad onto the skin (forehead) for 5 seconds and gently press it with our fingertip. Next we read the result taking photos with the camera. There will be a black and white picture on the screen.

## III. Desquamation

The next measurement is desquamation. We peel off the protective foil from the CORNEUM STRIP and press it to the skin for 3 seconds. Next we read the measurement by taking a photo.

## IV. Pore size

The 4th measurement is examining the size of sebaceous glands. In order to do that we choose a place in T-zone and take photos (forehead, around nostrils). We take a photo and we measure their diameter with a special measure.



## V. Wrinkle

Wrinkles – we choose a wrinkle to be measured, we take a photo, measure its width.

## VI. Moisture

The last measurement is moisturising – we measure it in 2 zones: T and U zone. We place a moisture sensor on the skin thoroughly for 1 second and push the button ok.

**IMPORTANT** – we must stress the camera onto the skin to obtain proper result. The measurement above 65% - the skin is sweated or with cosmetics (cream, toner) on. Any time we have 10 or less % - we have to repeat the process.

## 5. MEASUREMENT

### a. Measurement repeat

If a measurement went wrong for some reason we can repeat it choosing the measurement from the left menu.

### b. Age

In the window Enter customer's age we enter customer's age and choose Save. It is necessary to compare the results with the pattern.

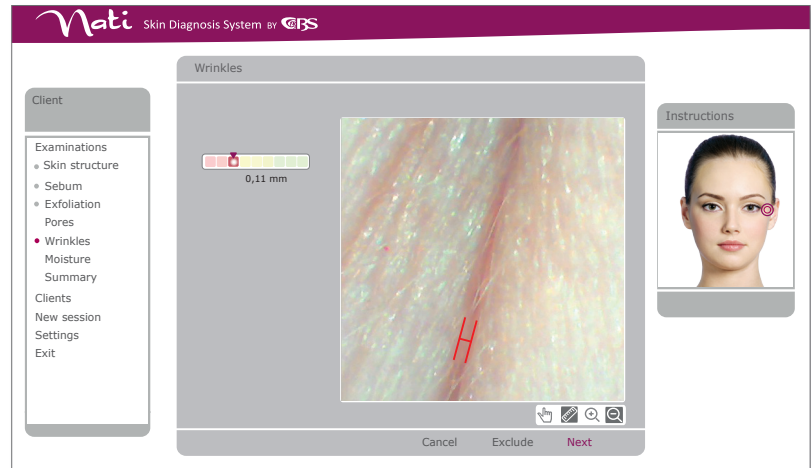
### c. Database – entering customer's data

In the summary we choose SAVE. We enter new customer's data or match the measurement with the existing one. A new customer – we choose NEW, enter data, any remarks. We confirm ADD. We choose a customer from our list and we click CHOOSE.

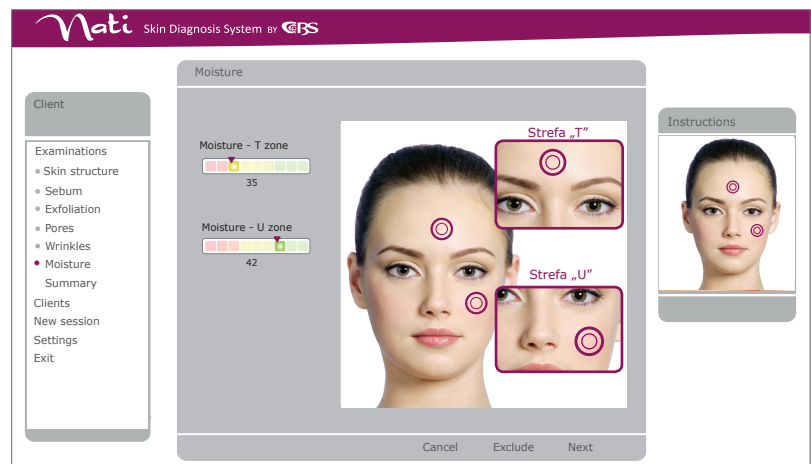
### d. Summary – summarizing diagrams

Summarising measurements – we can see on the screen all measurements carried out. Each measurement has its own diagram showing changes in the process of skin ageing. An examined customer is marked in purple on the chart and thanks to that we can compare results with the pattern. In this way we get a complex skin diagnosis.

V.



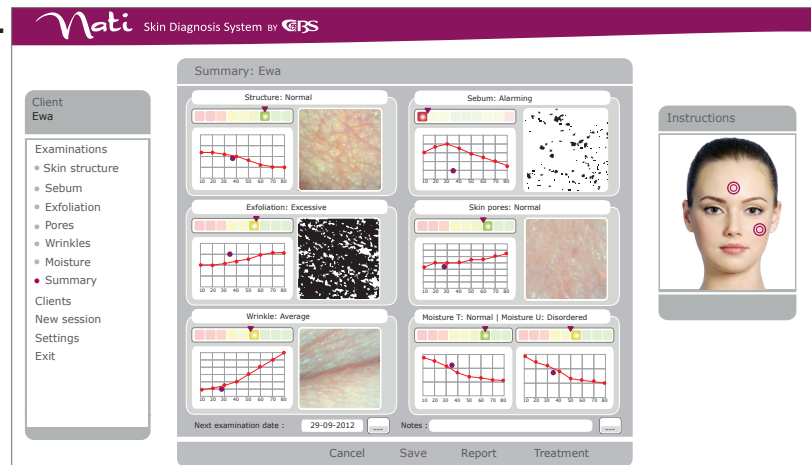
VI.



5a.






5d.

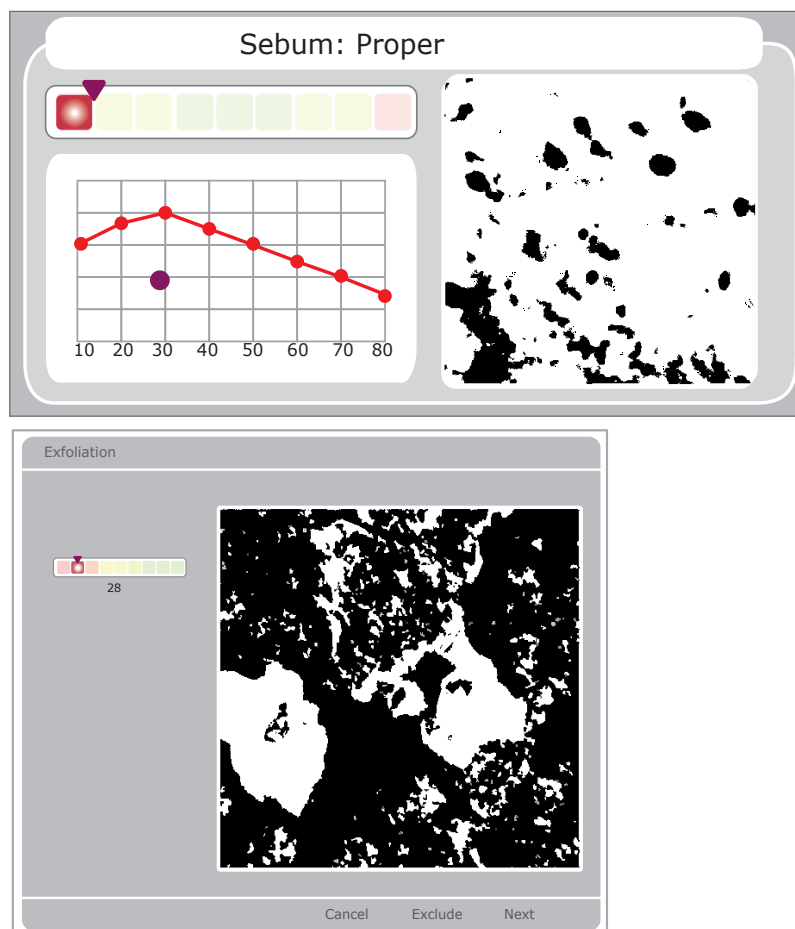


## 6. BEAUTY SCALE

Each parameter has its own reading scale. There is a scale of colours over diagrams:

-  green means a really good result,
-  yellow – distorted,
-  red – alarmingly bad result.

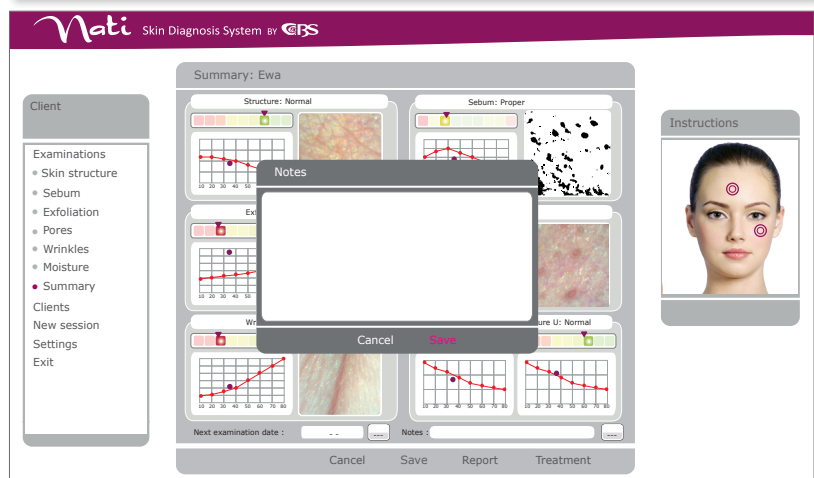
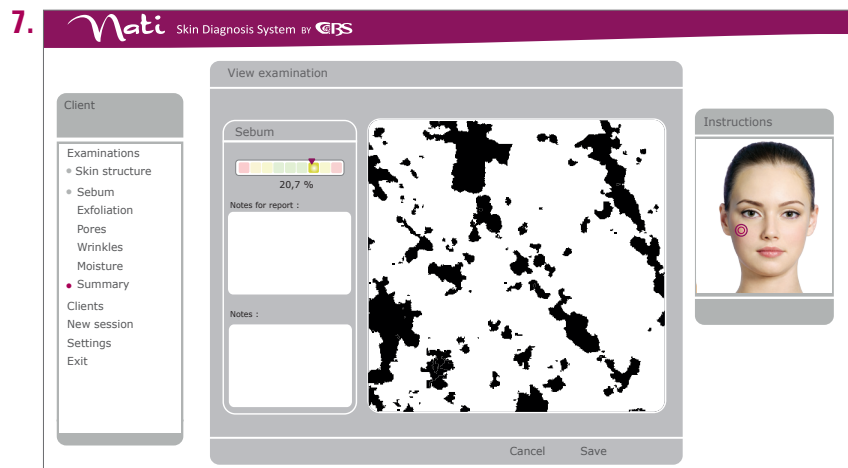
Studying each parameter we can read the result according to the scale prepared by the R & D Department.



Measurement	Unit	Interval Range		Description
		from	to	
Skin structure		0	10	Normal
Skin structure		11	12	Disordered
Skin structure		13	20	Inappropriate
Sebum	%	0	10	Alarming
Sebum	%	11	14	Alarming
Sebum	%	15	20	Normal
Sebum	%	21	25	Oily
Sebum	%	26	100	Very Oily
Exfoliation	%	0	14	Normal
Exfoliation	%	15	20	Disordered
Exfoliation	%	21	100	Excessive
Pores	mm	0	0,1	Small
Pores	mm	0,11	0,15	Normal
Pores	mm	0,16	0,18	Normal
Pores	mm	0,19	2,7	Distended
Wrinkles	mm	0	0	None
Wrinkles	mm	0,01	0,05	Shallow
Wrinkles	mm	0,06	0,1	Average
Wrinkles	mm	0,11	2,7	Deep
Moisture T	%	0	24	Alarming
Moisture T	%	25	40	Distended
Moisture T	%	41	65	Normal
Moisture U	%	0	24	Alarming
Moisture U	%	25	40	Distended
Moisture U	%	41	65	Normal

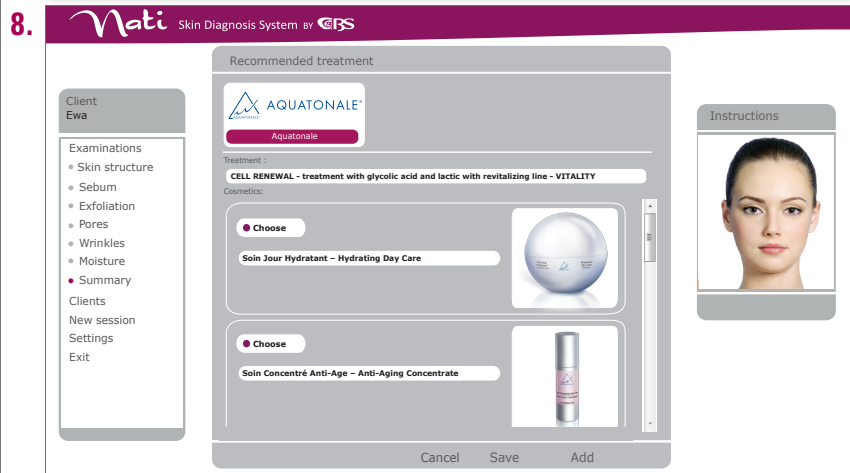
## 7. DISCUSSING MEASUREMENTS & REMARKS AND VISITS:

We can attach our own remarks to each measurement. The program enables us to plan the next visit which will be displayed. We can also add remarks to each examination.



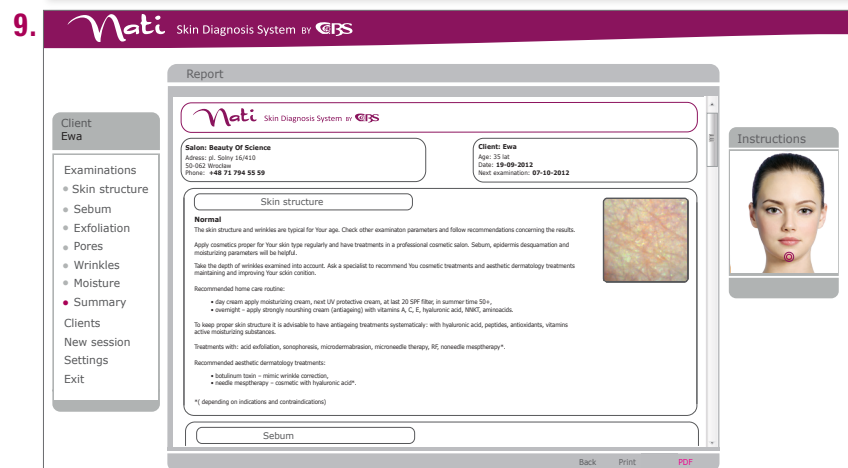
## 8. BEAUTY CARE – A CHOICE OF COSMETICS

The next step is to select cosmetics for the skin type. The program chooses treatments and cosmetics for home care routine according to results.



## 9. DESCRIPTION REPORT FOR A CUSTOMER

We print the results of the examination together with the selection of individual care for a customer choosing the button **PRINT** or we e-mail it by creating report in PDF and sent to our client.



## 10. ADDITIONAL FUNCTIONS OF THE PROGRAM:

We can carry out measurements from the list; we omit the remaining ones clicking **SKIP**.

Lesions on the skin – fibroid tumours, hemangiomas, couperose, chloasma - we can also use Nati analyser to backup skin lesions e.g. fibroid tumors, hemangiomas, couperose, blemishes.

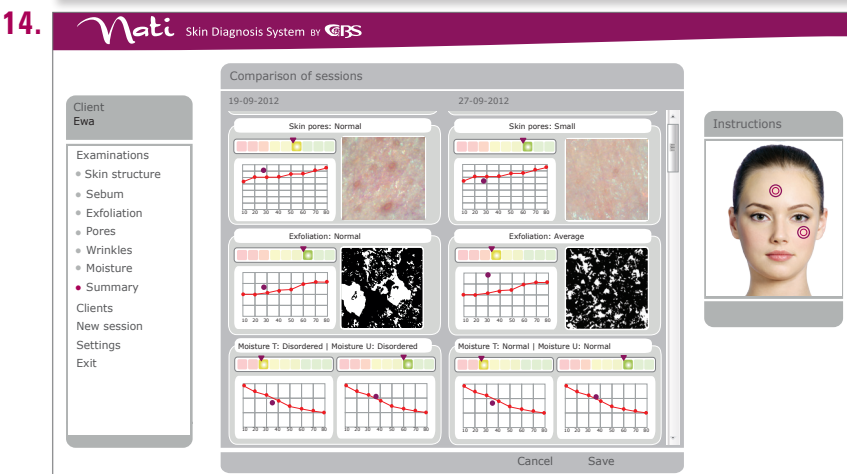
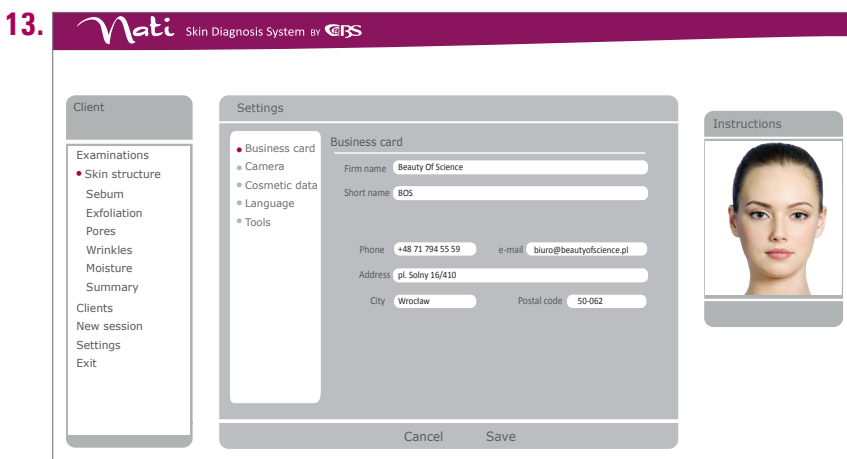
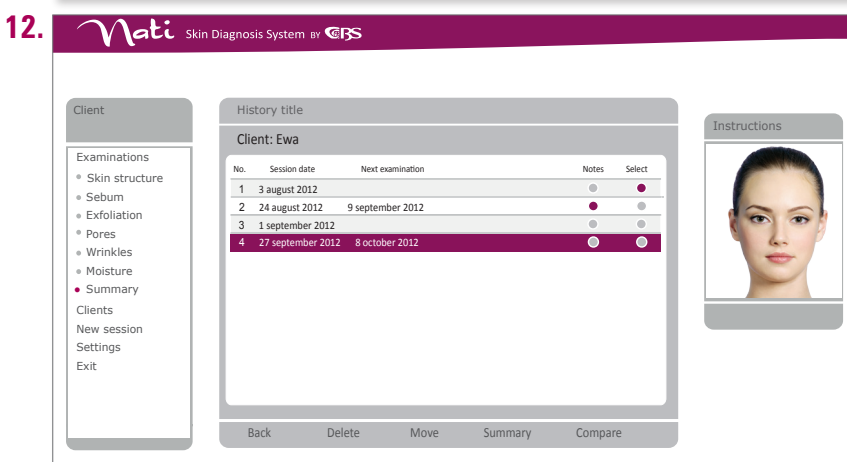
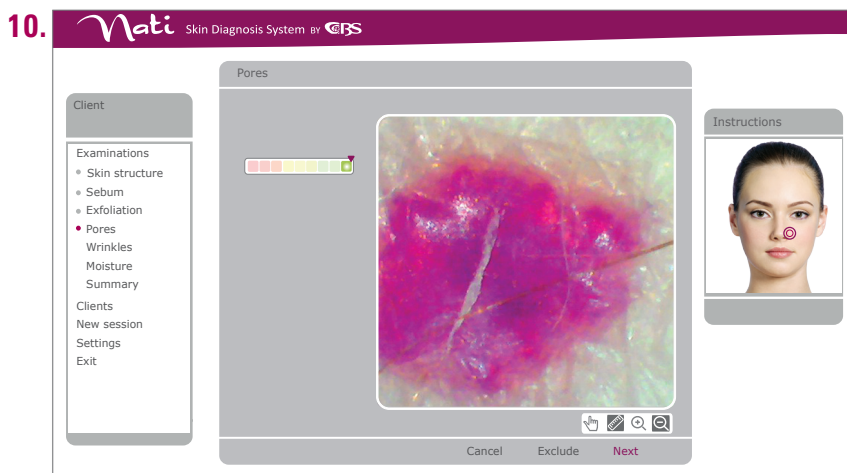
## 11. SUMMARY

### a. Measurement database

There is measurement database of a customer in the left menu in Customer Database. Clicking an individual customer we can follow his/her measurement database.

### b. Settings

To enter a salon data we choose the left menu and enter the data in a business card section.





### **FUNCTIONS:**

- Skin structure measurement
- Sebum measurement
- Desquamation measurement
- Pore size measurement
- Wrinkle width measurement
- Moisture measurement
- Summary along with comments concerning all contents or individual measurements
- Measurement report for a Customer (automatic system)
- Possibility of report printing and PDF e-mailing
- Care module with the choice of cosmetics (optional)

### **CRM FUNCTION:**

- Customer record in the database at a unique ID
- Measurement history of a Customer
- Name Surname
- Date of birth or age
- Sex – system of automatic matching by name
- Contact data: telephone, e-mail, address
- General comments on a Customer
- Quick search of a Customer by: ID, name, surname, age, date of last test

### **TECHNICAL DATA:**

- Sensor: CMOS
- Frame rate 30f/s @VGA, 9f/s @SXGA
- Resolution: 1280 x 1024
- Effective pixels: 1 300 000
- Camera functions: live, interception, normal mode
- Interface: USB 2.0
- Operating temperature: from -10 to 50 degrees C
- Operating humidity: up to 90% RH
- Power supply: port USB 5V DC +/- 10%
- Power consumption: max. 500 mA
- Size (width x height X length): 42 x 40 x 190 mm

### **COMPATIBILITY:**

- Windows XP SP3 32 i 64 bit
- Windows Vista 32 i 64 bit
- Windows 7 32 i 64 bit

### **SOFTWARE REQUIREMENTS:**

- Windows Installer
- Freamwork 3.5 / 4.0
- DirectX

### **HARDWARE REQUIREMENTS:**

- minimum: Pentium 4 1,5 GHz MMX, 512 RAM, 1GB HDD, Intel GMA, USB 2.0
- suggested: Intel Core i3 2 GHz, 2GB RAM, 10GB HDD, ATI Radeon HD, USB 2.0

## WARRANTY TERMS

1. Beauty of Science Sp. z o. o. warrants 24 months of guarantee period for the product under this warranty card.
2. Guarantee is valid within the borders of Europe.
3. In the event that the product is not in good working order Beauty of Science Sp. z o. o. will provide, during the warranty period, a free service. However, it does not refer to defects indicated in point 5.
4. Warranty repairs do not include activities listed in instruction manual which are to be done by a purchaser.
5. The warranty will not apply to loss of quality, degradation of performance caused by either normal process of use or the following cases:
  - a) mechanical damage of the product and defects being the result of it
  - b) damage and defects caused by:
    - because you have not used, stored or handled the product properly, or have not followed our instructions in the product manual (excessive humidity, too low or too high temperature, sun exposure, etc.)
    - the installation of, damage to, or modification to the product and/or software by someone else other than our representatives or because of damage that results from changes required by you or a Third Party
    - invalid supply voltage
  - c) batteries and casing due to damage caused by normal process of use
6. Any changes in the warranty card made by unauthorized staff, repairs, modifications carried out at a service centre not authorized by Beauty of Science Sp. z o. o. will exclude warranty service.
7. A faulty product is sent at the expense of Beauty of Science Sp. z o. o. service. In case of unreasonable complaint the product will be packed and sent at the expense of the purchaser.
8. Service will be guaranteed on condition that the purchaser sends a signed warranty card, retains purchase receipt or sends the invoice copy.
9. The purchaser should attach a note describing the fault to the box with the faulty product, state the address where the repaired product should be sent back.
10. If any conditions of this warranty are not met, the product will be sent back intact at the expense of the purchaser.
11. Any mail, returns, complaints should be sent to:  
Beauty of Science Sp. z o. o., Plac Solny 16/410  
50-062 Wrocław.
12. The warranty on the sold consumer product does not exclude, does not limit, or does not suspend the rights of the purchaser due to the inconsistency of the product with the contract.

Device name: .....

Device model: .....

Serial number: .....

Date of sale: .....

Company stamp:

Date	Date of repair	Repair description	Signature



Producent: **Beauty of Science Sp. z o.o.**  
pl. Solny 16/410, 50-062 Wrocław  
tel.: + 48 71 794 55 59, + 48 601 088 044;  
biuro@bofs.pl  
www.bofs.pl